



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/629,850	07/30/2003	Anthony John Wiley	1509-408	6149

22879 7590 06/23/2006

HEWLETT PACKARD COMPANY  
P O BOX 272400, 3404 E. HARMONY ROAD  
INTELLECTUAL PROPERTY ADMINISTRATION  
FORT COLLINS, CO 80527-2400

EXAMINER

YUN, EUGENE

ART UNIT	PAPER NUMBER
----------	--------------

2618

DATE MAILED: 06/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/629,850

Applicant(s)

WILEY ET AL.

Examiner

Eugene Yun

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Ohta (US 2001/0029531).

Referring to Claim 1, Ohta teaches a method of selecting a printer on a network to receive a file to be printed on the instigation of a mobile device (fig. 2), the method comprising:

sending at least one user preference from the mobile device to a networked print controller, the print controller having access to predetermined properties of a plurality of networked printers (see lines 6-8 of paragraph [0007]),

matching at least one of the predetermined properties of the plurality of networked printers with the at least one user preference (see lines 8-10 of paragraph [0007]), and

selecting the printer that is to print the file in accordance with the results of matching at least one of the predetermined properties of the plurality of networked printers with the at least one user preference (see lines 10-12 of paragraph [0007]).

Claim 23 has similar limitations as claim 1.

Referring to Claim 16, Haines teaches a method of printing a file to a networked printer at the instigation of a mobile device (fig. 2), the method comprising:

selecting a networked printer comprising:

sending at least one user preference from the mobile device to a networked print controller, the print controller having access to predetermined properties of a plurality of networked printers (see lines 6-8 of paragraph [0007]),

matching at least one of the predetermined properties of the plurality of networked printers with the at least one user preference (see lines 8-10 of paragraph [0007]), and

selecting the printer that is to print the file in accordance with the results of matching at least one of the predetermined properties of the plurality of networked printers with the at least one user preference (see lines 10-12 of paragraph [0007]), and transmitting the file to the selected printer for printing (see lines 12-14 of paragraph [0007]).

Claim 25 has similar limitations as claim 16.

Referring to Claim 22, Haines teaches an apparatus adapted to select a network printer to receive a file to be printed on the instigation of a mobile device, the network having at least one communications point for providing access to devices on the network from the mobile device (fig. 2), the apparatus comprising:

a print controller connected to the network and having access to predetermined properties of a plurality of networked printers; the print controller being arranged to

Art Unit: 2618

receive at least one user preference from the mobile device via the communications point (see lines 6-8 of paragraph [0007]); and

a matching arrangement adapted to match at least one of the predetermined properties of the printers with the at least one user preference (see lines 10-12 of paragraph [0007]), and to select the printer that is to print the file in accordance with results of the match (see lines 10-14 of paragraph [0007]).

Referring to Claims 2 and 24, Ohta also teaches determining a location of the mobile device relative to at least one wireless communication point of the network by measuring a transmitted wireless signal strength of the at least one wireless communication point at the current location of the mobile device (see lines 1-5 of paragraph [0058]);

wherein sending at least one user preference from the mobile device to a networked print controller comprises transmitting the measured signal strength to the print controller via the network (see lines 7-9 of paragraph [0058]);

wherein matching at least one of the predetermined properties of the plurality of networked printers with the at least one user preference comprises comparing the measured wireless signal strength at the mobile device with a plurality of stored wireless signal strengths of the at least one communications point at each of the printer locations (see lines 9-11 of paragraph [0058]); and

wherein selecting the printer that is to print the file comprises selecting a printer to send the file to having the best match resulting from comparing the measured wireless signal strength at the mobile device with a plurality of stored wireless signal

Art Unit: 2618

strengths of the at least one communications point at each of the printer locations (see lines 9-15 of paragraph [0058]).

Referring to Claims 3 and 4, Ohta also teaches selecting at least one print requirement for the file, and communicating the print requirement to the print controller, wherein matching at least one of the predetermined properties of the plurality of networked printers with the at least one user preference comprises comparing the at least one print requirement with the predetermined abilities of each of the networked printers and the selecting step comprises excluding all printers that do not have the desired at least one print requirement (see paragraph [0040]).

Referring to Claim 5, Ohta also teaches the predetermined abilities of the printers stored in the print controller and the method further comprises retrieving the stored predetermined abilities (see lines 4-6 of paragraph [0007]).

Referring to Claims 6, 7 and 8, Ohta also teaches the predetermined abilities of the printers are stored remotely from the print controller and the method further comprises retrieving the stored predetermined abilities from the remote store (see lines 4-10 of paragraph [0007]).

Referring to Claim 9, Ohta also teaches matching at least one of the predetermined properties of the plurality of networked printers with the at least one user preference comprises comparing at least one of the current number and size and print jobs in each of the printers' memories and selecting the printer that is to print the file comprises selecting the printer with the lowest number and/or size of print jobs (see paragraph [0037]).

Referring to Claim 10, Ohta also teaches selecting the printer that is to print the file comprises selecting the printer having its strongest signal strength from the same wireless communication point as that of the strongest signal strength of the mobile device (see paragraph [0058]).

Referring to Claim 11, Ohta also teaches the network comprises a plurality of wireless communication points and the strongest signal strengths of the printer and the mobile device are equal, and selecting the printer that is to print the file further comprising selecting the printer having its second strongest signal strength from the same wireless communication point as that of the second strongest signal strength of the mobile device (see paragraph [0058] noting that the user can select the printer in paragraph [0007]).

Referring to Claim 12, Ohta also teaches the network comprises a plurality of wireless communication points and selecting the printer that is to print the file comprises selecting the printer having the largest number of non-zero signal strengths of the wireless communication points in common with the measured signal strengths at the mobile device (see paragraph [0058] noting that the user can select the printer in paragraph [0007]).

Referring to Claim 13, Ohta also teaches displaying to the user a list of details of a plurality of best-matched printers suitable for unique selection and selecting the printer that is to print the file further comprising the user manually selecting one of the printers on the list (see paragraphs [0007] and [0048]).

Referring to Claim 14, Ohta also teaches displaying to the user a list of details of a plurality of best-matched printers suitable for unique selection comprises displaying the actual location of each of the plurality of best-matched printers (see paragraph [0048]).

Referring to Claim 15, Ohta also teaches sending to the mobile device a map of directions to the selected printer, a set of audio or written directions to the selected printer or a selected printer location name (see paragraph [0044]).

Referring to Claims 17 and 26, Ohta also teaches the file stored on the mobile device, is transmitted to the print controller via a wireless communication point and subsequently forwarded onto the selected printer for print out (see paragraph [0004]).

Referring to Claims 18 and 27, Ohta also teaches the file stored on a networked file server, is selected by the mobile device and subsequently sent to the selected printer for print out by the print controller (see paragraph [0007]).

Referring to Claims 19-21 and 28, Ohta also teaches accessing the relevant printer driver for the selected printer from a plurality of printer drivers stored at the print controller or a networked location accessible by the print controller (see paragraph [0007]).

### ***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eugene Yun whose telephone number is (571) 272-7860. The examiner can normally be reached on 9:00am-6:00pm.




Art Unit: 2618

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on (571)272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
Eugene Yun  
Examiner  
Art Unit 2618

EY

  
**Matthew D. Anderson**  
Supervisory Patent Examiner